

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF THE CLAIMS

Claims 1-12, 14 and 15 (Cancelled).

13. (Previously Presented) A breather-less oil system for a gas turbine engine comprising:

an oil system adapted to supply pressurized oil to and evacuate oil from a plurality of bearing chambers, the bearing chambers each having at least one oiled bearing therein supporting a rotatable component and at least one air-oil interface defined between a volume of oil within the chamber and a volume of air outside the chamber; and

a plurality of hydropad seals, wherein all of said air-oil interfaces are sealed by hydropad seals such that in use the hydropad seals permit air to enter and to exit the oil system, thereby permitting the oil system to be operated independent of an air breather apparatus.

16. (Previously Presented) A method according to claim 13 wherein oil circulates independently of an oil-air separation function and an air venting function.

17. (Previously Presented) A method according to claim 13 wherein abutting sealing surfaces of the hydropad remain engaged in frictional sealing relation below a lift off rotary speed.

18. (Previously Presented) A method according to claim 17 wherein the abutting sealing surfaces of the hydropad disengage when rotary speed exceeds the lift

off rotary speed, a ring sealing surface casting oil outwardly under centrifugal force to impede oil passage through the hydropad seal.

19. (Previously Presented) A method according to claim 13 wherein cast oil is collected from an outer periphery of the bearing chamber using an oil scavenge pump in communication with the bearing chamber.